Amend the first paragraph on page 1 of the specification and the heading above it as follows:

~~CROSS-REFERENCE-TO-RELATED-APPLICATION~~

~~This application claims the benefit of European provisional application serial no. EP 03103845.8 filed October 17, 2003, which is incorporated herein.~~

Amend the paragraph beginning on page 5, line 7 of the specification (which is paragraph [0022] of US patent publication 20070018809) to read as follows:

The device 1 operates as follows: when the corresponding contact surfaces of the electrodes are put in contact with the individual's skin, the electrodes 8, 9 provide a corresponding input signal S to the front-end electronics 7. The front-end electronics 7 provides means for receiving the signals from the sensing means, performs suited analog processing by means of the analog processing circuit 11. The processed raw data is converted into a digital format by means of the ADC 12 and is forwarded to the control unit 5, where a suitable health-related parameter of the individual is being analysed. For example, for cardiac applications the control unit 5 can comprise a QRS-detector known per se to determine R-R peak intervals in heart cycles. The control unit 5 comprises a signal interpretation unit 14 arranged to derive a predetermined event 15. For example, for cardiac applications said feature can be a frequency, an amplitude or a signal-to-noise ratio of the signal. Preferably, a reference value of the predetermined event is stored in a look-up table (not shown) of the memory unit 17. Additionally, the system can be arranged as a self-learning system, where a threshold value for the predetermined event is being adjusted and stored in the look-up table in case a pre-stored reference value does not correspond to a deteriorated contact integrity for a particular user. This feature is particularly important for monitoring exercising people. The control unit 5 is further arranged to provide a trigger signal to the test means 18 in case the predetermined event is detected. The test means 18 generates a test signal which is then directed to the electrodes 8,9. The control unit 5 further comprises a lead-off detection means 14a arranged to verify an integrity of the contact of said electrodes by analyzing the response signal ~~M'~~S' and detecting a parameter related to said integrity. An example of a suitable parameter is a threshold value of the amplitude of the response signal ~~M'~~S'. In case the contact integrity is below a predetermined allowable level, the lead-off indicator means 16 is actuated by the lead-off detection means 14a.